

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re the application of:

Dan Andreyevitch YANSON et al.

International Appln. No.: PCT/GB03/03228

International Filing Date: 18 July 2003

For: MULTI-SECTION LASER WITH
PHOTONIC CRYSTAL MIRRORS

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13 Feb 2006

Date

Jefferson Perkins
Jefferson Perkins

**POWER OF ATTORNEY AND
CERTIFICATE UNDER 37 C.F.R. §3.73(b)**

I, John Marsh, am Chief Technical Officer of Intense Photonics Limited, a company duly organized and existing under the laws of the United Kingdom and having its principal place of business at 4 Stanley Boulevard, Hamilton International Technology Park, High Blantyre, Glasgow B72 0BN, United Kingdom ("Assignee"). The Assignee is the owner of the entire right, title and interest in the above-identified patent application ("the Patent Application") by virtue of an assignment from the inventors of this Patent Application. As evidence of this assignment, the Assignee points to the Assignment from the inventors to Assignee submitted for recordation herewith.

The undersigned is empowered to sign this document on behalf of the Assignee and has full power to grant and revoke powers of attorney.

Assignee hereby appoints Jefferson Perkins, Reg. No. 31,407, of the firm of Daspin & Aument, LLP, as its attorney to prosecute this Patent Application and to transact all business in the U.S. Patent and Trademark Office connected with the Patent Application and with any resulting patent, and to represent Assignee before all competent International Authorities. This appointment includes a full power of substitution and revocation.

Please direct all correspondence to:

Daspin & Aument, LLP
210 W. 22nd Street, Suite 102
Oak Brook, Illinois 60523

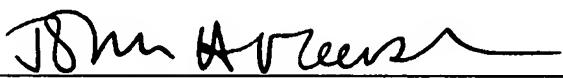
Please direct all telephone calls to:

Jefferson Perkins
(630) 990-4503

CUSTOMER NUMBER: 43138

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

INTENSE PHOTONICS LIMITED

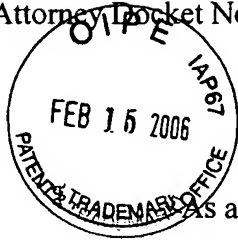
Signature: 
John Marsh

Title: Chief Technical Officer

Date: 23 Feb 2005

Rec'd PCT/PTO 15 FEB 2006

Attorney Pcket No. 305832-00109



INVENTORS' DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; that I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention or design entitled MULTI-SECTION LASER WITH PHOTONIC CRYSTAL MIRRORS, the specification of which:

- _____ is attached hereto; or
_____ was filed in the United States on _____ as Application Serial No. _____; or
X was filed as International Application Serial Number PCT/GB03/03228 on July 18, 2003, which application designated the United States of America; and
X was the subject of an amendment filed in the U.S. Patent and Trademark Office on February 8, 2005;

that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and that I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent, utility model or inventor's certificate designated below, or under §365(a) of any application filed under the Patent Cooperation Treaty which designated at least one country other than the United States of America, and have also identified below any foreign application(s) for patent, utility model or inventor's certificate having a filing date before that of the application to which priority is claimed:

<u>Application Number</u>	<u>Country</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
0218548.6	Great Britain	9 August 2002	Yes

Direct all telephone calls to Jefferson Perkins at Telephone No. 630 990 4503.

Attorney Docket No. 305832-00109

Address all correspondence to:

Daspin & Aument, LLP
210 West 22nd Street, Suite 102
Oak Brook, Illinois 60664-0807.

Customer No. 43138

I hereby acknowledge that Daspin & Aument, represents the assignee of the above-identified invention and does not represent me.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Attorney Docket No.:

305832-00109

Full Name of First Joint Inventor:

Dan Andreyevitch YANSON

1-00

Signature of Inventor:

[Handwritten Signature]

Date of signature:

1 MARCH 2005

Residence: (City, State)

Glasgow, Great Britain

GBX

Post Office Address:

52 Springhill Gardens

Glasgow G41 2EY (GB)

Citizenship:

British and Russian

[Handwritten Arrow]

Attorney Docket No. 305832-00109

Full Name of Second Joint Inventor:

2-00

Christopher James McBride SMITH

Signature of Inventor:

C MacB. Smith

Date of Signature:

1st MARCH 2005

Residence: (City, State)

Glasgow, Great Britain

GBX

Post Office Address:

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Glasgow G33 6ED (GB)

Citizenship:

British

Full Name of Third Joint Inventor:

3-00

John Haig MARSH

Signature of Inventor:

John Haig

Date of Signature:

23 Feb 2005

Residence: (City, State)

Glasgow, Great Britain

Post Office Address:

1 Bellshaugh Gardens

GBX

Glasgow, G12 0SN (GB)

Citizenship:

British



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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



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JUNE 08, 2005

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JEFFERSON PERKINS
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RECORDATION DATE: 06/07/2005

REEL/FRAME: 016103/0216
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YANSON, DAN ANDREYEVITCH

DOC DATE: 05/20/2005

ASSIGNOR:

SMITH, CHRISTOPHER J. M.

DOC DATE: 05/23/2005

ASSIGNOR:

MARSH, JOHN HAIG

DOC DATE: 05/23/2005

ASSIGNEE:

INTENSE LIMITED
4 STANLEY BOULEVARD, HAMILTON
INTERNATIONAL TECHNOLOGY PARK,
HIGH BLANTYRE
GLASGOW, UNITED KINGDOM G72 0BN

016103/0216 PAGE 2

SERIAL NUMBER: 10524684

FILING DATE:

PATENT NUMBER:

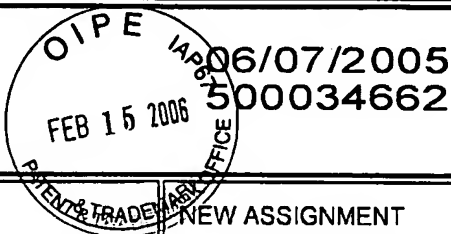
ISSUE DATE:

TITLE: MULTI-SECTION LASER WITH PHOTONIC CRYSTAL MIRRORS

LENELL MACKALL, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1



SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dan Andreyevitch Yanson	05/20/2005
Christopher J. M. Smith	05/23/2005
John Haig Marsh	05/23/2005

RECEIVING PARTY DATA

Name:	Intense Limited
Street Address:	4 Stanley Boulevard, Hamilton International Technology Park, High Blantyre
City:	Glasgow
State/Country:	UNITED KINGDOM
Postal Code:	G72 0BN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10524684

CORRESPONDENCE DATA

Fax Number: (630)990-4511

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 630 990 4503

Email: jperkins@daspinaument.com

Correspondent Name: Jefferson Perkins

Address Line 1: 210 West 22nd Street

Address Line 2: Suite 102

Address Line 4: Oak Brook, ILLINOIS 60523

NAME OF SUBMITTER:

Jefferson Perkins

Total Attachments: 3

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CH \$40.00 10524684

ASSIGNMENT

WHEREAS, I, one of the undersigned joint inventors, of residence as listed, having invented certain new and useful improvements as below entitled, for which I have applied for a patent, said application having been filed under the Patent Cooperation Treaty on July 18, 2003 under Application Number PCT/GB03/03228 and having designated the United States, and having entered into the National Stage in the United States as U.S. Patent Application No. 10/524,684; and

WHEREAS, INTENSE LIMITED (hereinafter referred to as "Assignee"), a corporation of the United Kingdom with an address of 4 Stanley Boulevard, Hamilton International Technology Park, High Blantyre, Glasgow G72 0BN, United Kingdom, desires to acquire our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, and continuations-in-part thereof, and we authorize and request the Director of the United States Patent and Trademark Office to issue all patents for said invention insofar as my interest is concerned, to Assignee.

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part and reissue applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:

MULTI-SECTION LASER WITH
PHOTONIC CRYSTAL MIRRORS

Attorney Docket No.:

305832-00109

PCT Application Number and Filing Date:

PCT/GB03/03228, filed 18 May 2003

U.S. Application Number:

10/524,684

Signature of Inventor:



Inventor's Name:

Dan Andreyevitch YANSON


Residence (City, Province or State, Country):

Glasgow, Great Britain

Date of Signature:

20 May 2005

Signature of Inventor:



Inventor's Name:

Christopher James MacBride SMITH

Residence (City, Province or State, Country):

Glasgow, Great Britain

Date of Signature:

23RD MAY 2005

Title of Invention:

MULTI-SECTION LASER WITH
PHOTONIC CRYSTAL MIRRORS

Attorney Docket No.:

305832-00109

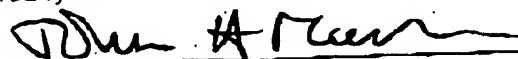
PCT Application Number and Filing Date:

PCT/GB03/03228, filed 18 July 2003

U.S. Application Number:

10/524,684

Signature of Inventor:



Inventor's Name:

John Haig MARSH

Residence (City, Province or State, Country):

Glasgow, Great Britain

Date of Signature:

23/5/05



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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



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MAY 13, 2005

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RECORDATION DATE: 05/13/2005

REEL/FRAME: 016010/0717
NUMBER OF PAGES: 2

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

INTENSE PHOTONICS LIMITED

DOC DATE: 03/11/2005

ASSIGNEE:

INTENSE LIMITED
4 STANLEY BOULEVARD, HAMILTON
INTERNATIONAL TECHNOLOGY PARK,
HIGH BLANTYRE
GLASGOW, UNITED KINGDOM G72 0BN

SERIAL NUMBER: 10524684

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: MULTI-SECTION LASER WITH PHOTONIC CRYSTAL MIRRORS

SERIAL NUMBER: 10507670

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: ELECTRO-ABSORPTION MODULATOR WITH BROAD OPTICAL BANDWIDTH

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

05/13/2005
500031265

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
Intense Photonics Limited	03/11/2005
RECEIVING PARTY DATA	
Name:	Intense Limited
Street Address:	4 Stanley Boulevard, Hamilton International Technology Park, High Blantyre
City:	Glasgow
State/Country:	UNITED KINGDOM
Postal Code:	G72 0BN
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	10524684
Application Number:	10507670
Application Number:	10515198
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	630 990 4503
Email:	jperkins@daspinaument.com
Correspondent Name:	Jefferson Perkins
Address Line 1:	210 West 22nd Street
Address Line 2:	Suite 102
Address Line 4:	Oak Brook, ILLINOIS 60523
NAME OF SUBMITTER:	Jefferson Perkins, Reg. No. 31,407
Total Attachments: 1 source=intenseIdchangeofname#page1.tif	

CH \$120.00 10524684

016010/0717 PAGE 2

SERIAL NUMBER: 10515198

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: CONTROL OF CONTACT RESISTANCE IN QUANTUM WELL INTERMIXED DEVICES

ASSIGNMENT DIVISION

OFFICE OF PUBLIC RECORDS



CERTIFICATE OF INCORPORATION ON CHANGE OF NAME

Company No. 202087

The Registrar of Companies for Scotland hereby certifies that

INTENSE PHOTONICS LIMITED

having by special resolution changed its name, is now incorporated
under the name of

INTENSE LIMITED

Given at Companies House, Edinburgh, the 11th March 2005



THE OFFICIAL SEAL OF THE
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